PATENT ABSTRACTS OF JAPAN

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(71)Applicant:

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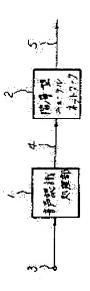
HATAOKA NOBUO ICHIKAWA HIROSHI

(54) VOICE RECOGNIZING DEVICE

(57) Abstract:

PURPOSE: To improve the voice recognition accuracy and to reduce the burden of a language processing part by providing a post-processing part for selecting, deleting, adding and correcting a recognition candidate.

CONSTITUTION: The title device consists of a voice recognition processing part 1 for inputting an input voice 3 which a speaker has uttered and outputting a recognition result candidate sequence 4, and a hierarchical neural network 2 for inputting the recognition result candidate sequence 4 and outputting a correction recognition result 5. Also, by providing an output unit corresponding to an omission and an insertion on an output layer of the neural network 2, even when there are the omission and the insertion in the recognition result candidate sequence, the corresponding output pattern (teacher pattern) is shown on the output layer. Accordingly, in what kind of state the omission and the insertion are generated can be learned in the neural network 2. In such a way, a voice recognition result having high accuracy is obtained, and also, the burden of a language processing part can be reduced.



LEGAL STATUS

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[Date of final disposal for application]

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[Date of registration]

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[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

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とができ、精楽として類解度の資产級難結果が得られるとともに、新羅連程部の負債を乾減できるという効果がある。

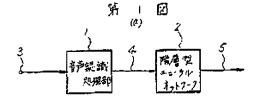
4. 図面の簡単な説明

第1回は本発明の一実統例を説明する例。第2回は第1回の中の関層型ニューラルネントワークの構成例、第3回は第2回の開創型ニューラルネントワークの表方層の設明図、第4座は第2回の勝層型ニューラルネントワークの岩力層の説明図、第5回は、第2回の解剖型ニューラルネントワークの学習方法の説明図、第6回は時間问题情報を入力できる入力期の説明図、第7回は本後明を用いて経成した者声タイプライクの製成堅、第8回は本発明を用いて構成したオンライン電話サービスクステムの要成例である。

1 … 新声路線処理部、 2 … 階別版ニューラルネツ トワーク、 8 … 学習制御部、 2 1 … 入力財、 2 2 … 中間層、 2 3 … 出力層。

代題人 弁郎士 小川遊り

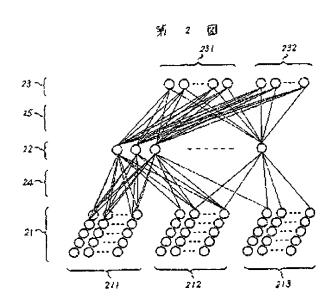
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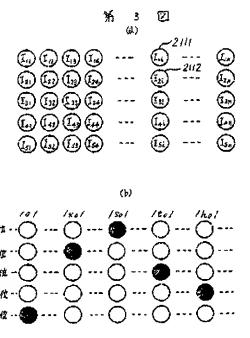


1位 ソオホキョトウ 2位 コホオヒョコフ 3位トボソキョホム 4位ホソノヨゴル 5位オコソチョソス 123456

(b)

--- 時間(単位:音節)





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